

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NA-1174 D1

Total Pages in this Submission
10/72213

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

Electrospun Conductive Polymer Membranes and Composites

and invented by:

Kris Senecal
Lynne Samuelson
Michael Sennett
Heidi Schreuder-Gibson

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/793,797

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. Filing fee as calculated and transmitted as described below
2. Specification having 15 pages and including the following:

- a. Descriptive Title of the Invention
- b. Cross References to Related Applications (*if applicable*)
- c. Statement Regarding Federally-sponsored Research/Development (*if applicable*)
- d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
- e. Background of the Invention
- f. Brief Summary of the Invention
- g. Brief Description of the Drawings (*if filed*)
- h. Detailed Description
- i. Claim(s) as Classified Below
- j. Abstract of the Disclosure

22278 U.S. POSTAL
10/72213

112503

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NA-1174 D1

Total Pages in this Submission

Application Elements (Continued)

3. Drawing(s) (*when necessary as prescribed by 35 USC 113*)
 - a. Formal Number of Sheets _____
 - b. Informal Number of Sheets 3
4. Oath or Declaration
 - a. Newly executed (*original or copy*) Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
 - c. With Power of Attorney Without Power of Attorney
 - d. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. Application Data Sheet (See 37 CFR 1.76)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. Assignment Papers (*cover sheet & document(s)*)
10. 37 CFR 3.73(B) Statement (*when there is an assignee*)
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Certificate of Mailing
 First Class Express Mail (*Specify Label No.*): EV 236629399 US

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NA-1174 D1

Total Pages in this Submission

Accompanying Application Parts (Continued)

17. Additional Enclosures (*please identify below*):

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NA-1174

Total Pages in this Submission

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	8	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	1	- 3 =	0	x \$86.00	\$0.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				BASIC FEE	\$770.00
OTHER FEE (specify purpose)					\$0.00
				TOTAL FILING FEE	\$770.00

A check in the amount of _____ to cover the filing fee is enclosed.

The Director is hereby authorized to charge and credit Deposit Account No. **19-2201** as described below.

- Charge the amount of **\$770.00** as filing fee.
- Credit any overpayment.
- Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Vincent J. Rauscer
Signature

Dated: *NOV. 25, 2003*

cc:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Senecal et al.

Docket No.

NA-1174

Serial No.

Filing Date

Examiner

Group Art Unit

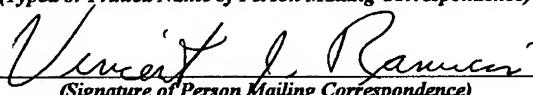
1733

Invention: **Electrospun Conductive Polymer Membranes and Composites**

I hereby certify that the following correspondence:

Utility Patent Transmittal, Patent Application/Informal Drawings, Prior Art, IDS, Declaration/POA, Preliminary Amendment, Fee Transmittal and Postcard*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 25, 2003

*(Date)***Vincent J. Ranucci***(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)***EV 236629399 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004		<i>Complete if Known</i>	
		Application Number	
		Filing Date	
		First Named Inventor	Kris Senecal
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Examiner Name	
TOTAL AMOUNT OF PAYMENT		(\\$)	\$770.00
		Art Unit	1733
		Attorney Docket No.	NA-1174 D1

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																							
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 19-2201 Deposit Account Name U.S. Army Materiel Command				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code (\$)</td> <td>Fee Code (\$)</td> <td>Fee Description</td> <td></td> </tr> <tr> <td>1051 130</td> <td>2051 65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052 50</td> <td>2052 25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053 130</td> <td>1053 130</td> <td>Non - English specification</td> <td></td> </tr> <tr> <td>1812 2,520</td> <td>1812 2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804 920*</td> <td>1804 920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805 1,840*</td> <td>1805 1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251 110</td> <td>2251 55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 420</td> <td>2252 210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 950</td> <td>2253 475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254 1,480</td> <td>2254 740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 2,010</td> <td>2255 1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401 330</td> <td>2401 165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402 330</td> <td>2402 165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 290</td> <td>2403 145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451 1,510</td> <td>1451 1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452 110</td> <td>2452 55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453 1,330</td> <td>2453 665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501 1,330</td> <td>2501 665</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502 480</td> <td>2502 240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503 640</td> <td>2503 320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>Total Claims 8 -20** = 0</td> <td>X 0 = 0.00</td> <td></td> <td></td> </tr> <tr> <td>Independent Claims 1 - 3** = 0</td> <td>X 0 = 0.00</td> <td></td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code (\$)	Fee Code (\$)	Fee Description		1051 130	2051 65	Surcharge - late filing fee or oath		1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non - English specification		1812 2,520	1812 2,520	For filing a request for ex parte reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1,005	Extension for reply within fifth month		1401 330	2401 165	Notice of Appeal		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1451 1,510	1451 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unavoidable		1453 1,330	2453 665	Petition to revive - unintentional		1501 1,330	2501 665	Utility issue fee (or reissue)		1502 480	2502 240	Design issue fee		1503 640	2503 320	Plant issue fee		Total Claims 8 -20** = 0	X 0 = 0.00			Independent Claims 1 - 3** = 0	X 0 = 0.00			Multiple Dependent			
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																								
Fee Code (\$)	Fee Code (\$)	Fee Description																																																																																																									
1051 130	2051 65	Surcharge - late filing fee or oath																																																																																																									
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet																																																																																																									
1053 130	1053 130	Non - English specification																																																																																																									
1812 2,520	1812 2,520	For filing a request for ex parte reexamination																																																																																																									
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																									
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																									
1251 110	2251 55	Extension for reply within first month																																																																																																									
1252 420	2252 210	Extension for reply within second month																																																																																																									
1253 950	2253 475	Extension for reply within third month																																																																																																									
1254 1,480	2254 740	Extension for reply within fourth month																																																																																																									
1255 2,010	2255 1,005	Extension for reply within fifth month																																																																																																									
1401 330	2401 165	Notice of Appeal																																																																																																									
1402 330	2402 165	Filing a brief in support of an appeal																																																																																																									
1403 290	2403 145	Request for oral hearing																																																																																																									
1451 1,510	1451 1,510	Petition to institute a public use proceeding																																																																																																									
1452 110	2452 55	Petition to revive - unavoidable																																																																																																									
1453 1,330	2453 665	Petition to revive - unintentional																																																																																																									
1501 1,330	2501 665	Utility issue fee (or reissue)																																																																																																									
1502 480	2502 240	Design issue fee																																																																																																									
1503 640	2503 320	Plant issue fee																																																																																																									
Total Claims 8 -20** = 0	X 0 = 0.00																																																																																																										
Independent Claims 1 - 3** = 0	X 0 = 0.00																																																																																																										
Multiple Dependent																																																																																																											
1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code (\$)</td> <td>Fee Code (\$)</td> <td>Fee Description</td> <td>Fee Paid</td> </tr> <tr> <td>1001 770</td> <td>2001 385</td> <td>Utility filing fee</td> <td>770.00</td> </tr> <tr> <td>1002 340</td> <td>2002 170</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003 530</td> <td>2003 265</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004 770</td> <td>2004 385</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005 160</td> <td>2005 80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="2">SUBTOTAL (1) (\\$)</td> <td>\$770.00</td> <td></td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid	1001 770	2001 385	Utility filing fee	770.00	1002 340	2002 170	Design filing fee		1003 530	2003 265	Plant filing fee		1004 770	2004 385	Reissue filing fee		1005 160	2005 80	Provisional filing fee		SUBTOTAL (1) (\\$)		\$770.00		2. EXTRA CLAIM FEES FOR UTILITY AND DESIGN PATENTS <table border="1"> <thead> <tr> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims 8 -20** = 0</td> <td>X 0 = 0.00</td> <td></td> </tr> <tr> <td>Independent Claims 1 - 3** = 0</td> <td>X 0 = 0.00</td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>Fee Code (\$)</td> <td>Fee Code (\$)</td> <td>Fee Description</td> </tr> <tr> <td>1202 18</td> <td>2202 9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201 86</td> <td>2201 43</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203 290</td> <td>2203 145</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>1204 86</td> <td>2204 43</td> <td>** Reissue independent claims over original patent</td> </tr> <tr> <td>1205 18</td> <td>2205 9</td> <td>** Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="2">SUBTOTAL (2) (\\$)</td> <td>\$0.00</td> </tr> </tbody> </table>				Extra Claims	Fee from below	Fee Paid	Total Claims 8 -20** = 0	X 0 = 0.00		Independent Claims 1 - 3** = 0	X 0 = 0.00		Multiple Dependent			Large Entity	Small Entity	Fee Description	Fee Code (\$)	Fee Code (\$)	Fee Description	1202 18	2202 9	Claims in excess of 20	1201 86	2201 43	Independent claims in excess of 3	1203 290	2203 145	Multiple dependent claim, if not paid	1204 86	2204 43	** Reissue independent claims over original patent	1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2) (\\$)		\$0.00																																
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																								
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid																																																																																																								
1001 770	2001 385	Utility filing fee	770.00																																																																																																								
1002 340	2002 170	Design filing fee																																																																																																									
1003 530	2003 265	Plant filing fee																																																																																																									
1004 770	2004 385	Reissue filing fee																																																																																																									
1005 160	2005 80	Provisional filing fee																																																																																																									
SUBTOTAL (1) (\\$)		\$770.00																																																																																																									
Extra Claims	Fee from below	Fee Paid																																																																																																									
Total Claims 8 -20** = 0	X 0 = 0.00																																																																																																										
Independent Claims 1 - 3** = 0	X 0 = 0.00																																																																																																										
Multiple Dependent																																																																																																											
Large Entity	Small Entity	Fee Description																																																																																																									
Fee Code (\$)	Fee Code (\$)	Fee Description																																																																																																									
1202 18	2202 9	Claims in excess of 20																																																																																																									
1201 86	2201 43	Independent claims in excess of 3																																																																																																									
1203 290	2203 145	Multiple dependent claim, if not paid																																																																																																									
1204 86	2204 43	** Reissue independent claims over original patent																																																																																																									
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent																																																																																																									
SUBTOTAL (2) (\\$)		\$0.00																																																																																																									
*or number previously paid, if greater; For Reissues, see above				*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\\$)																																																																																																							

SUBMITTED BY		<i>Complete if applicable</i>			
Name (Print/Type)	Vincent J. Ranucci	Registration No. (Attorney/Agent)	29,579	Telephone	(508) 233-4510
Signature	<i>Vincent J. Ranucci</i>			Date	Nov. 25, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.